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ning of each regular issue of the PCT Gazette.

(54) Title: A METHOD FOR OBTAINING STRUCTURAL INFORMATION CONCERNING AN ENCODED MOLECULE AND
METHOD FOR SELECTING COMPOUNDS

(57) Abstract: In one aspect, the present invention relates to a method for obtaining structural information about an encoded mole-
cule. The encoded molecule may be produced by a reaction of a plurality of chemical entities and may be capable of being connected
to an identifier oligonucleotide containing codons informative of the identity of the chemical entities which have participated in the
formation of the encoded molecule. In a certain embodiment, primers are designed complementary to the codons appearing on the
identifier oligonucleotide, and the presence, absence or relative abundance of a codon is evaluated by mixing a primer with the iden-
tifier oligonucleotide in the presence of a polymerase and substrate (deoxy)ribonucleotide triphosphates measuring the extension
reaction. In another aspect, the invention provides a method for selecting compounds which binds to a target. More specifically, the
invention relates to a method in which a target associated with an oligonucleotide initially is mixed with a library of complexes, each
complex comprising a display molecule and an oligonucleotide identifying said display molecule. Next, due an increased proximity,
the target oligonucleotide is coupled to the identifier oligonucleotide of complexes having a display molecule with affinity towards
the target. In a final stage the coupled nucleotides are analysed to deduce at least the identity of the display molecule.